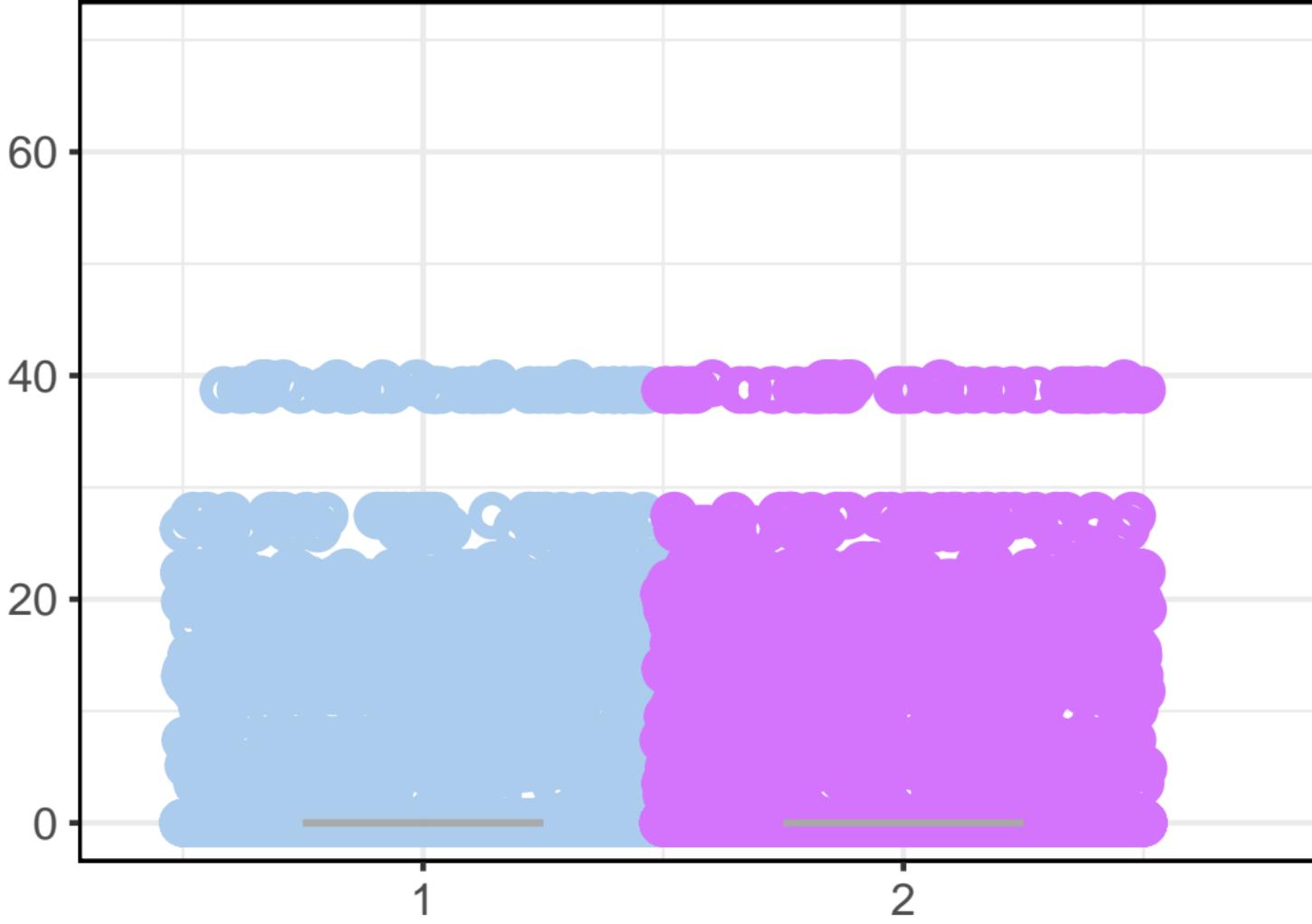


# Progressive



Deceased

60

40

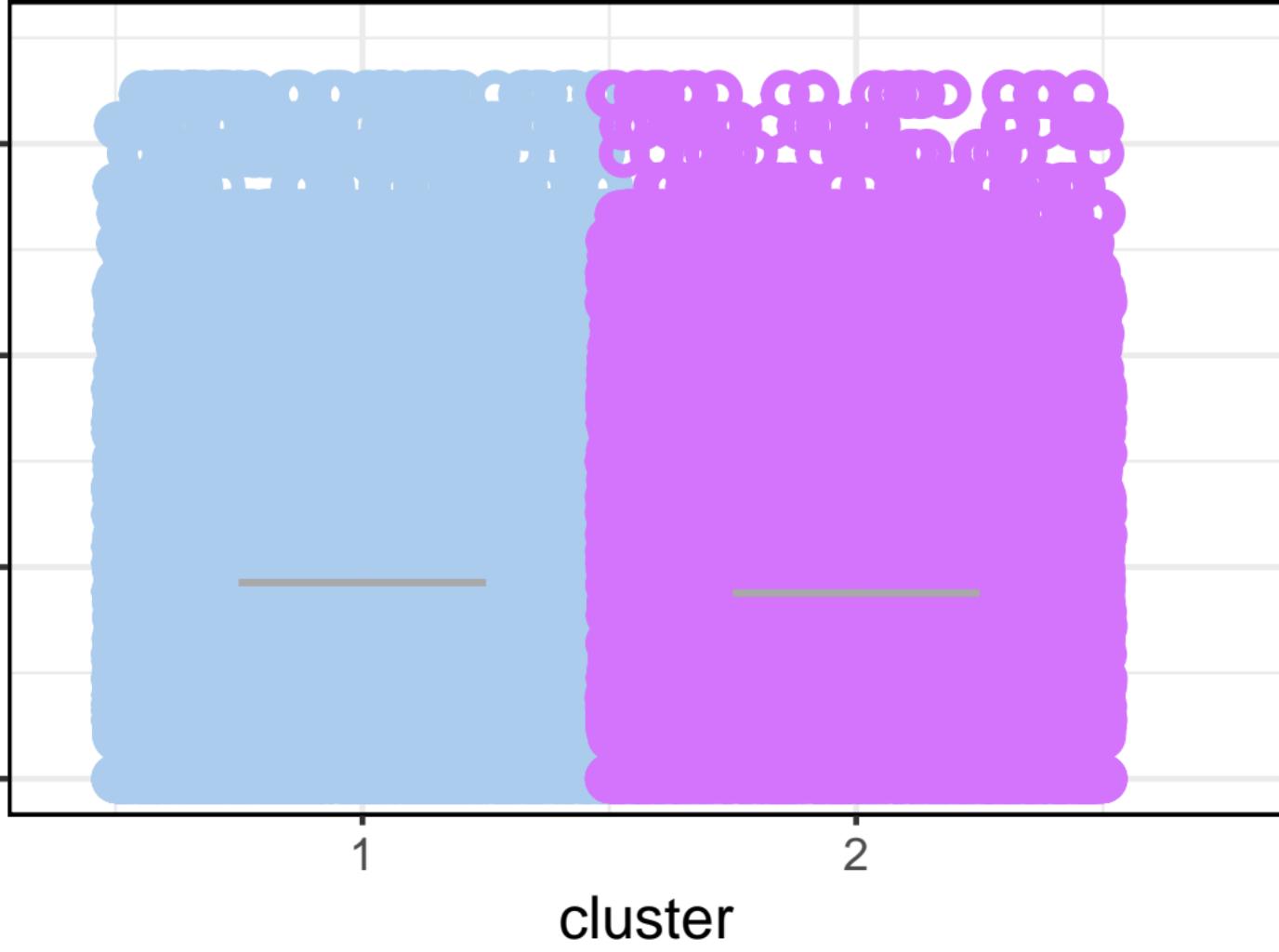
20

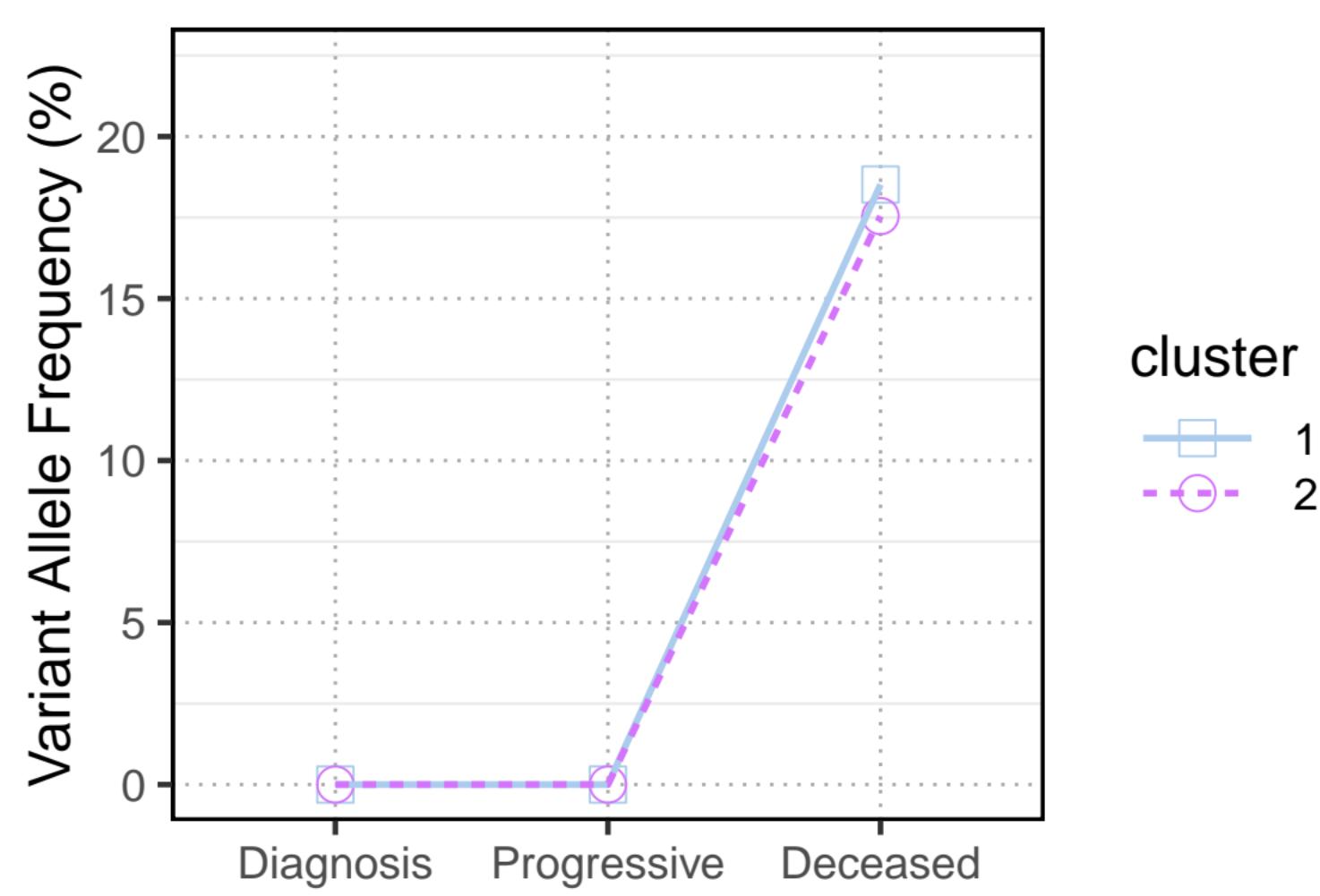
0

1

2

cluster





\*Diagnosis,\*Progressive,\*~~Diagnosis~~,\*Progressive,\*Deceased

①

②

PIK3R1  
HLA-B  
TP53  
PPM1D  
MUC16  
ATRX  
AHNAK2  
ATAD3B  
PRSS1  
SMARCB1  
SLC35G5  
ISM2

PIK3R1  
HLA-B  
TP53  
PPM1D  
MUC16  
ATRX  
AHNAK2  
ATAD3B  
PRSS1  
SMARCB1  
SLC35G5  
ISM2

\*Diagnosis,\*Progressive,\*Deceased

③

\*Diagnosis,\*Progressive,Deceased



PIK3R1  
HLA-B  
TP53  
PPM1D  
MUC16  
ATRX  
AHNAK2  
ATAD3B  
PRSS1  
SMARCB1  
SLC35G5  
ISM2

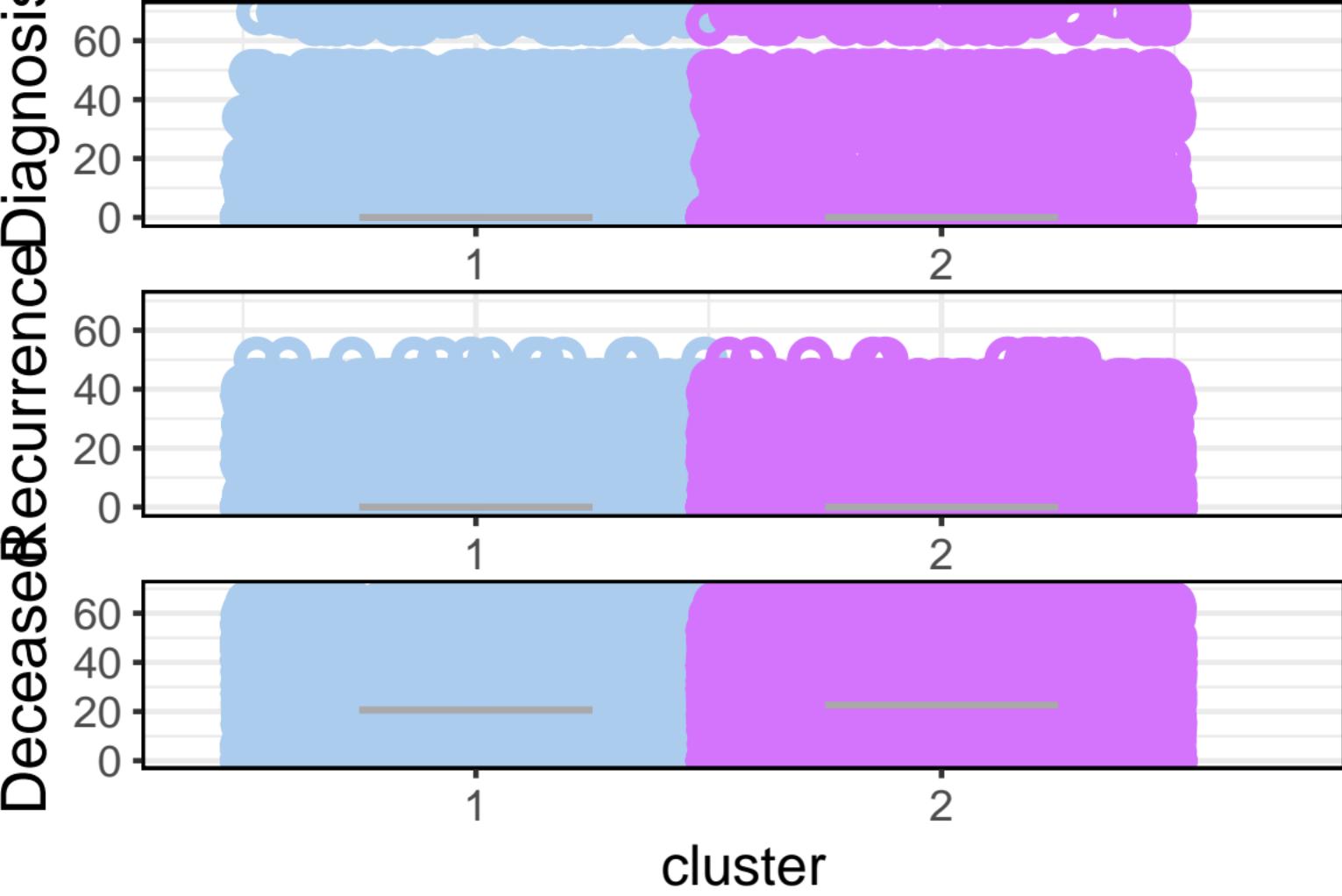
\*Deceased



PIK3R1  
HLA-B  
TP53  
PPM1D  
MUC16  
ATRX  
AHNAK2  
ATAD3B  
PRSS1  
SMARCB1  
SLC35G5  
ISM2

\*Diagnosis,\*Progressive,\*Deceased





Diagnosis

60  
40  
20  
0



1

2

Recurrence

60

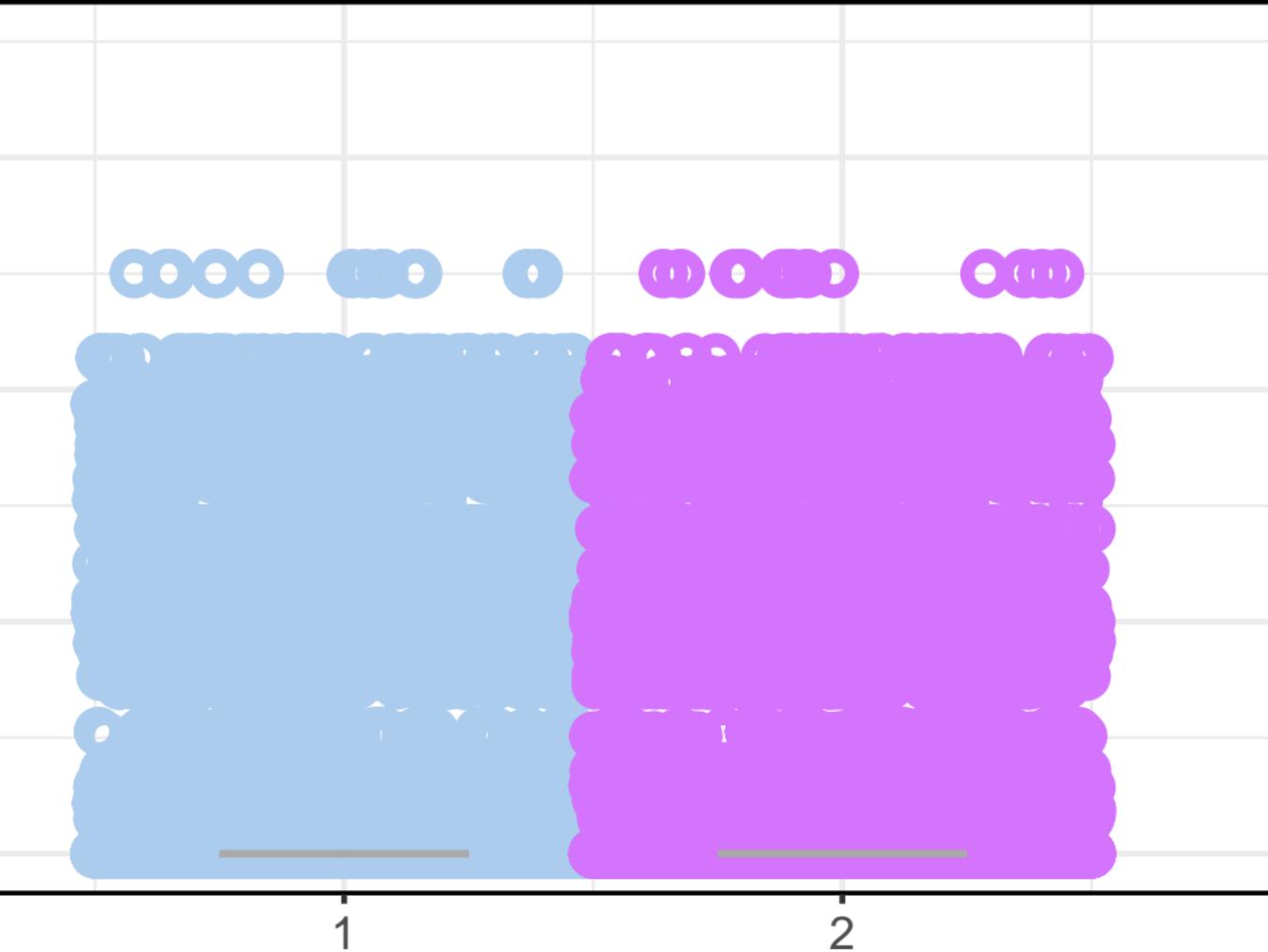
40

20

0

1

2



Deceased

60

40

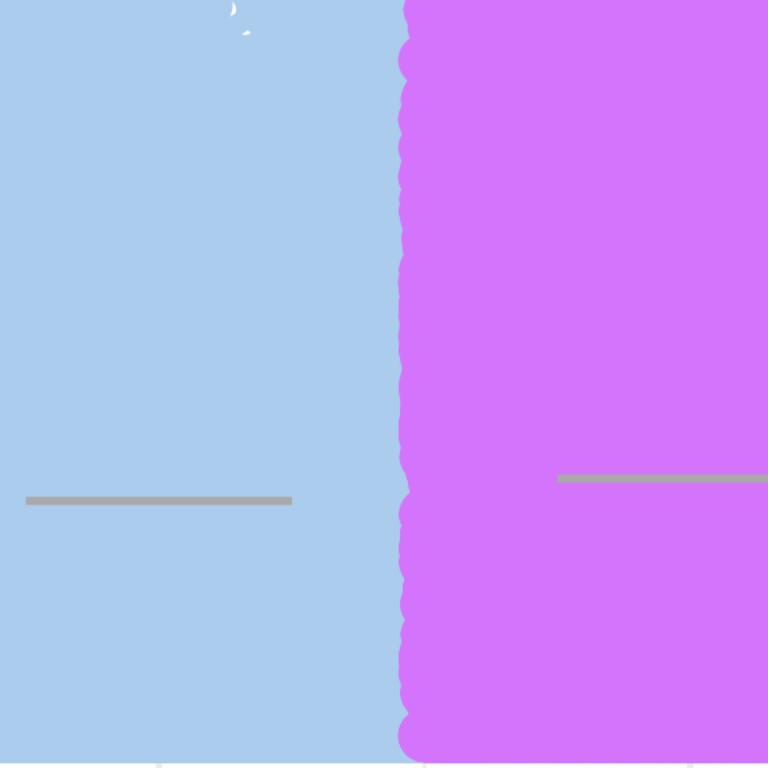
20

0

1

2

cluster



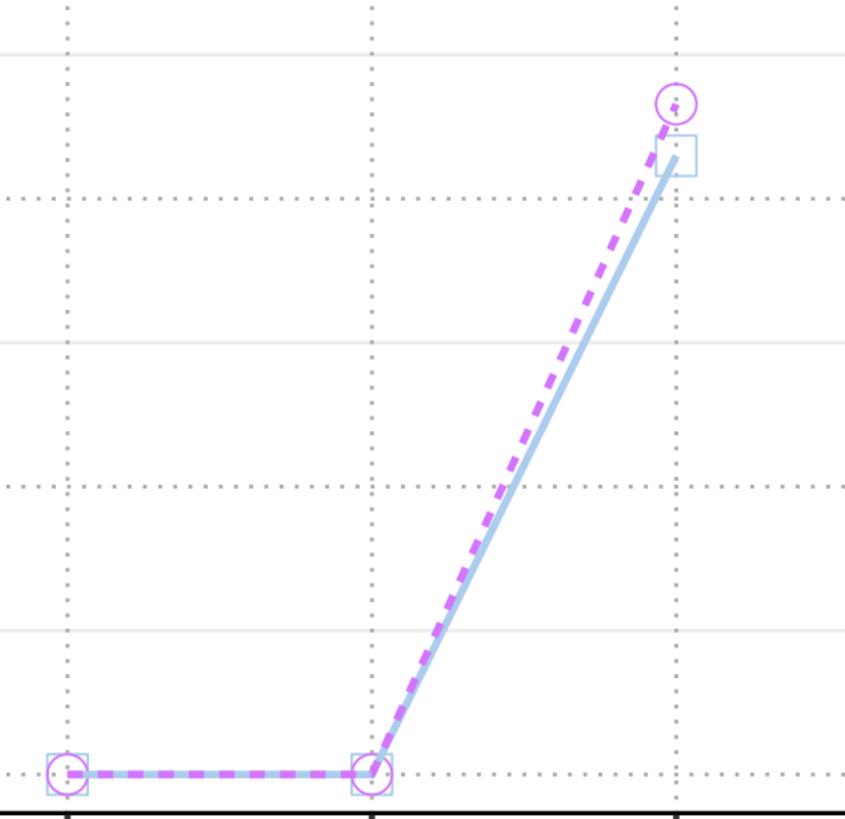
Variant Allele Frequency (%)

20  
10  
0

Diagnosis      Recurrence      Deceased

cluster

- 1
- 2



\*Diagnosis,\*Recurrence,\*Diagnosis,\*Recurrence,\*Deceased

①

②

TP53  
PSMC5  
CIC  
OR2T34  
NF1  
EGFR  
AHNAK2

TP53  
PSMC5  
CIC  
OR2T34  
NF1  
EGFR  
AHNAK2

\*Diagnosis,\*Recurrence,\*Deceased

③

\*Diagnosis,\*Recurrence,Deceased



TP53  
PSMC5  
CIC  
OR2T34  
NF1  
EGFR  
AHNAK2

\*Deceased



TP53  
PSMC5  
CIC  
OR2T34  
NF1  
EGFR  
AHNAK2

\*Diagnosis,\*Recurrence,\*Deceased

